

Claims

1. Device for stacking tube sections (30) for producing bags, with a transporting facility (12), which supplies the tube sections to a stacking station (10), characterized in that the transporting facility (12) has an upper transport (14) and a lower transport (16) and that the lower transport (16) is formed in the region of the stacking station (10) by two endless conveyor belts (44), which revolve above the stacking station outside of the lateral edges of the tube sections (30) and are connected by at least two cross members (48, 50), which are disposed with uniform spacings, the spacings of which corresponding to the spacings between the leading edges of consecutively supplied tube sections (30).

2. The device of claim 1, characterized in that the downstream ends of the lower transport (16) and the upper transport (14) are offset to one another in the longitudinal direction.

3. The device of claims 1 or 2, characterized in that at least one leaf spring (56) is disposed in the upper transport (14) and presses the tube section (30) provided downward in the direction of the stacking station.

4. The device of one of the preceding claims, characterized in that the transporting facility (12) has an inlet section (32), in which the vertical distance between the upper and lower conveyor belts (34, 36) decreases in the transporting direction.

5. The device of claim 4, characterized in that, in the inlet section, a length-adjustable clamping roller (38) is disposed, which deflects the upper conveyor belt (34) against the lower conveyor belt (36), in order to take hold of the leading edge of a tube section (30), which has been supplied.

6. The transporting facility of one of the preceding claims, characterized in that, upstream from the transporting facility (12), a severing device (24) is disposed, with which an endless tube (18) is divided into tube sections (30).

7. The device of claim 6, characterized in that the severing device (24) has a tear-off head, which tears off the tube sections (30) at pre-perforated places from an endless tube (18).

8. The device of claims 6 or 7, characterized in that the transporting speed of the transporting facility (12) is greater than the speed, with which the tube (18) is supplied upstream to the severing device (24).

9. A method for stacking tube sections (30), especially of a multilayer material, for producing bags, for which a tube section (30) is held in a transporting facility (12) with its leading edge clamped between a cross member (48) of a lower transport (16) and an upper transport (14) and supplied to a position above a stacking station (10), while a different cross member (50) of the lower transport (16), which is returning above the stacking station (10) to the upstream end of the transporting facility, holds the trailing, rear end of the tube section (30) away from the stack (52), until the leading edge is released by the first cross member (48) and the tube section falls onto the stack.